# MMR

MORBIDITY AND MORTALITY WEEKLY REPORT

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# Epidemiologic Notes and Reports

# Update: Salmonella enteritidis Infections and Grade A Shell Eggs — United States, 1989

Salmonella enteritidis (SE) remains an important cause of outbreaks and sporadic cases of gastroenteritis in the United States. This report summarizes three outbreaks in 1989 that were associated with Salmonella-contaminated Grade A eggs.

Suffolk County, New York. An outbreak of gastroenteritis occurred among 21 of 24 persons who attended a baby shower on July 1. Severe diarrhea, vomiting, fever, and cramps occurred a median of 9 hours (range: 5.5–57 hours) after the shower. Twenty ill persons sought medical care, and 18 were hospitalized. One attendee who was 38 weeks pregnant delivered while ill; the infant subsequently developed SE septicemia and required prolonged hospitalization. Additional secondary cases occurred in two household members of primary case-patients. SE was isolated from stool or rectal-swab cultures of all 21 primary and three secondary case-patients.

All 21 ill attendees, but none of the three attendees who remained well, reported eating a homemade baked ziti pasta dish consisting of one raw egg and ricotta cheese combined in a large baking pan with cooked tomato meat sauce and refrigerated overnight. The ziti dish was baked for 30 minutes at 350 F (176.7 C) immediately before serving. Several attendees commented that the center of the ziti was still cold when served. SE was isolated from samples of the leftover baked ziti and from a pool of seven eggs from the original carton. The eggs were supplied by a New Jersey egg producer; SE was isolated from several flocks tested at the farm.

Carbon County, Pennsylvania. The Pennsylvania State Department of Health was notified of gastroenteritis in 12 of 32 persons who attended an office party on August 24. Symptoms included diarrhea (100%), headache (58%), abdominal pain (42%), nausea (42%), fever (25%), and vomiting (17%). The median incubation period was 27.5 hours (range: 7–72 hours). Of three persons who were hospitalized, two

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recovered. The third person, a 40-year-old previously healthy man, experienced severe diarrhea and high fever, was admitted to an emergency room on the fourth day of illness, and died within 2 hours. Clinical course and autopsy findings were compatible with acute salmonellosis; postmortem blood, urine, and stool cultures vielded SE.

The only food and beverages served at the party were six pies (two fruit-based pies and four egg-based custard pies), coffee, and juice. Illness was associated with consumption of the custard pies (relative risk=8.6; 95% confidence interval=1.3–58.6). All the pies had been prepared August 23 by a commercial bakery and held without refrigeration for approximately 21 hours before consumption. Two other cases of *Salmonella* (identified as group D, which includes SE) infection were reported in persons who did not attend the office party but who ate custard pie prepared by this bakery on the same day. The source of the eggs is unknown.

Knox County, Tennessee. An outbreak of SE gastroenteritis occurred among persons who patronized a restaurant on April 8. Twenty-seven cases were reported to the county health department; stool cultures from 23 persons all yielded SE. At least 24 ill persons reported onset of fever, abdominal cramps, and diarrhea within 48 hours after eating at the restaurant; 11 were hospitalized. All had eaten either Hollandaise or Bernaise sauce on April 8. Ten meal companions of ill persons were contacted; none had developed illness or had eaten Hollandaise or Bernaise sauce (p<0.01). Both sauces were prepared with Grade A extra-large eggs that were heated but not thoroughly cooked. No other food item was consumed by >20% of those who became ill. The eggs were traced to a farm in Indiana.

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Editorial Note: Since 1979, isolation rates of SE have increased dramatically in New England and, more recently, in the mid-Atlantic states (Figure 1) (1). As of October 31, 1989, 49 SE outbreaks had been reported for 1989; these outbreaks have been associated with 1628 cases and 13 deaths (including 12 deaths in nursing homes). From 1985 through 1988, state health departments reported 140 SE outbreaks associated with 4976 ill persons (of whom 896 were hospitalized) and 30 deaths (Table 1). Contaminated food was implicated in 89 (64%) outbreaks; Grade A shell eggs were implicated in 65 (73%) of these. From 1985 to 1989, the proportion of outbreaks from outside New England and the mid-Atlantic regions increased from 5% to 43%.

Foods containing a single SE-contaminated egg can cause outbreaks of severe illness (2). Salmonellosis can be especially severe in infants <3 months of age, in the elderly, and in persons who are immunocompromised. Most SE-associated deaths occur in nursing home residents, but salmonellosis can be fatal in otherwise healthy hosts when ingested in sufficient doses (3).

Thorough cooking kills Salmonella. Contaminated eggs that are liquid or runny after light cooking can contain Salmonella. When eggs are heavily contaminated,

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standard cooking methods for many egg-containing foods (including Hollandaise and Bernaise sauces, meringue, and scrambled and soft-boiled eggs) may not kill all Salmonella (4,5). If raw or incompletely cooked eggs are held at room temperature for >2–4 hours, the risk of outbreaks of Salmonella infections may increase because Salmonella can grow to high concentrations under such conditions.

In regions where egg-associated salmonellosis has been identified, the public should be advised to not eat raw or undercooked eggs. In addition, consumers should avoid eating foods that contain raw eggs, such as Caesar salad, homemade eggnog, and homemade mayonnaise. Foods made with pasteurized eggs (e.g., commercial eggnog, ice cream, and mayonnaise) are safe to eat. In hospitals and nursing homes, where high-risk patients may be exposed, the risk for outbreaks can be reduced by use of pasteurized egg products in recipes that require pooled eggs and by proper preparation and storage of foods containing eggs. Bulk-quantity pasteurized egg products are available commercially for use in food-service establishments.

Clinicians and microbiologists are encouraged to report cases of salmonellosis to local and state health departments. Because some strains of SE isolated from patients in the northeast are reported to produce minimal  $\rm H_2S$ , suspect isolates that otherwise

FIGURE 1. Isolation rate per 100,000 population of *Salmonella enteritidis,* by region — United States, 1976–1988

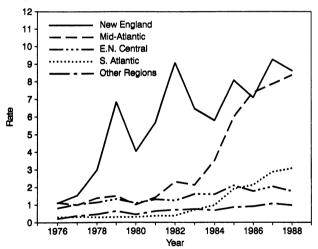


TABLE 1. Number of reported outbreaks and associated cases and deaths caused by Salmonella enteritidis, by year — United States, January 1985–October 1989

Year	Outbreaks	Cases	Deaths
1985	19	608	1
1986	34	1042	6
1987	50	2370	15
1988	37	956	8
1989*	49	1628	13

<sup>\*</sup>Data reported to CDC through October 31, 1989.

Salmonella enteritidis - Continued

resemble Salmonella should not be discarded on this basis alone. To help characterize sporadic cases and to assist in epidemiologic investigations, Salmonella isolates can be serotyped by state public health laboratories. When eggs are implicated, investigation of outbreaks and notification of state agriculture departments and the U.S. Department of Agriculture are crucial in efforts to identify sources of contaminated eggs and to develop and implement control measures.

Information on cooking and handling eggs safely is available from the U.S. Department of Agriculture Meat and Poultry Hotline ([800] 535-4555) and from county extension home economists.

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## Unintentional Methyl Bromide Gas Release - Florida, 1988

At approximately 11 a.m. on November 30, 1988, a tractor-trailer truck carrying 32 cylinders of a gaseous toxic pesticide (methyl bromide, 98%, and chloropicrin, 2%) overturned on an unpaved road in a rural area of Collier County, Florida. One of the cylinders, filled to an unknown level but containing no more than 1500 pounds of pressurized gas (the maximum capacity of the cylinder), was punctured during the incident and released toxic gas into the atmosphere.

At the time of the incident, wind speeds varied between 5 and 10 miles per hour and came primarily from the northeast. The 53 emergency responders included personnel from the Collier County Sheriff's Department, a county ambulance service, local fire departments, and the Florida State Patrol. Firefighters used protective equipment, including self-contained breathing apparatus; the other responders had no protective equipment. The Collier County Sheriff's Department initiated a voluntary evacuation by visiting every house in a 10-square-mile area; this area contained approximately 50 households with an estimated population of 130–140 persons. Risk of exposure was declared over at 7 p.m.

Nine emergency responders (none of whom were firefighters) and one local resident were treated at a community hospital for symptoms associated with exposure to the gas. Of these, six were hospitalized for a total of 17 person-days. Symptoms included nausea, vomiting, difficulty breathing, headache, dizziness, burning throat, coughing, and chest tightness. The primary route of exposure was inhalation only for seven patients, dermal only for two, and both dermal and inhalation for one patient. Although the driver was pinned in the truck for at least 1 hour, he tested negative for methyl bromide exposure—probably as a consequence

Methyl Bromide Gas - Continued

of protection afforded by the cab and by the cab's location upwind of the spill. The local resident, a 19-year-old woman who resided approximately two blocks southwest of the overturned vehicle, was most likely exposed by gas drift. All patients recovered without neurologic sequelae.

Reported by: J Polkowski, MD, MS Crowley, MS, AM Moore, HRS Collier County Public Health Unit, RA Calder, MD, State Epidemiologist, Florida Dept of Health and Rehabilitative Svcs. Div of Health Studies, Agency for Toxic Substances and Disease Registry. Div of Environmental Hazards and Health Effects, Center for Environmental Health and Injury Control, CDC.

**Editorial Note:** Methyl bromide gas, used primarily as an agricultural fumigant for nematodes, is a severe pulmonary irritant and neurotoxin. The major symptoms reported in this incident are consistent with previously reported symptoms (1). Renal tubule damage and pulmonary edema have been reported in fatalities associated with methyl bromide exposures (2).

At least three studies suggest that the public health impact of hazardous material releases is difficult to evaluate because existing databases vary in format and cannot be readily compared. For example, a review of two databases in California—one maintained by the U.S. Department of Transportation and the other by the California Highway Patrol—examined 474 and 485 hazardous materials incidents, respectively. Only 18 incidents were reported in both sources (3). In a study of three national databases, only eight (1%) of 587 acute releases of hazardous materials were common to all three systems (4). In the third study, even though 502 incidents were reported to two databases, substantial differences were noted for specific details regarding related morbidity and mortality (5).

To establish a consistent database, the Agency for Toxic Substances and Disease Registry (ATSDR) and five states (Colorado, Iowa, Michigan, New Hampshire, and Wisconsin) have developed a pilot Emergency Event Surveillance System to investigate selected transportation and fixed facility incidents. The objectives of this surveillance system are to 1) describe the temporal and geographic distribution of hazardous material emergencies within these five states, 2) describe the morbidity and causes of mortality experienced by employees, first responders, and the general public as a result of these incidents, 3) analyze and describe the risk factors associated with the morbidity and mortality, and 4) propose strategies to reduce subsequent morbidity and mortality in comparable events. The five state health departments plan to begin data collection from local reporting agencies in January 1990. Data will be forwarded to ATSDR, and a centralized database accessible to public health agencies of the five states will be established. This process should facilitate immediate review of potential adverse health effects that can result from exposure to specific compounds.

Adverse health effects from hazardous material releases can be minimized through the development and implementation of comprehensive contingency or preparedness plans. In particular, because emergency response workers are at substantial risk from hazardous material releases, appropriate equipment and training for these persons could prevent injury and illness. The Superfund Amendments and Reauthorization Act of 1986 mandates that local emergency planning committees develop preparedness plans for such events (6). ATSDR can assist in the development of the health components of these plans. Additional information is available from ATSDR's Emergency Response Branch, Division of Health Assessment and Consultation, at (404) 639-0615.

#### Methyl Bromide Gas - Continued

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### International Notes

# Update: Dracunculiasis Eradication — Worldwide, 1989

Dracunculiasis (guinea worm disease) is a disabling infection transmitted through drinking water containing cyclopoid copepods (water fleas) harboring infective larvae of the parasite *Dracunculus medinensis*. However, because the disease is contracted only by persons who drink contaminated water, infection can be completely prevented by providing safe sources of potable drinking water, by filtering drinking water through a cloth, by boiling the water, or by treating the water with temephos (Abate<sup>®</sup>).\* Because transmission can be interrupted, the potential exists for eradication of guinea worm disease.

Dracunculiasis occurs in 16 African countries and in parts of India and Pakistan (Figure 1). An estimated 120 million persons in Africa and 10 million in Asia are at risk for the infection (1). An estimated 10 million persons are affected by the disease each year. This report updates the progress of international efforts to eradicate the disease in the 1990s.

Global initiatives to eradicate dracunculiasis were given impetus by resolutions adopted in April 1981 and November 1987 by the steering committee of the International Drinking Water Supply and Sanitation Decade (1981–1990). The committee called for elimination of dracunculiasis in each country with endemic dracunculiasis. Collaborative efforts have involved several agencies and organizations, including the World Health Organization (WHO), Global 2000, Inc., of Emory University Carter Center, Inc., the United Nations International Children's Emergency Fund (UNICEF), the U.N. Development Programme (UNDP), the U.S. Peace Corps, and CDC. In May 1989, the 42nd World Health Assembly adopted a resolution calling for the elimination of dracunculiasis as a public health problem during the 1990s.

<sup>\*</sup>Use of trade names is for identification only and does not imply endorsement by the Public Health Service or the U.S. Department of Health and Human Services.

<sup>&</sup>lt;sup>†</sup>In 1980, several agencies, including the United Nations Development Programme, the World Health Organization, and the World Bank, declared 1981–1990 the "International Drinking Water Supply and Sanitation Decade." A major goal is the provision of safe drinking water to all countries.

Dracunculiasis Eradication - Continued

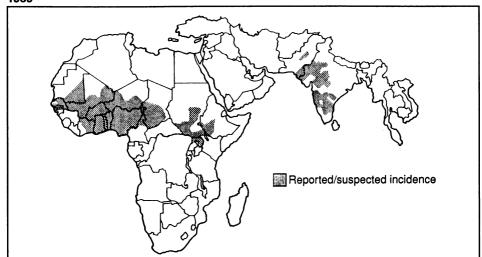
National dracunculiasis eradication programs were initiated in India in 1980, Pakistan and Ghana in 1987, and Nigeria in 1988. Benin, Burkina Faso, Cameroon, and Togo have also instituted programs to combat the disease. During 1989 and 1990, surveys to determine the extent of dracunculiasis are planned in Benin, Burkina Faso, Ghana, Mauritania, and Senegal. Repeat surveys will be carried out in India and Nigeria. Pakistan conducts monthly surveys for cases in all villages with endemic dracunculiasis. The number of cases reported by India and Pakistan suggest progress in the elimination programs in those countries (Table 1).

In July 1989, \$9.6 million was pledged for dracunculiasis eradication at a donors' conference in Lagos, Nigeria. Donors included Global 2000, the Bank of Credit and Commerce International, the government of Nigeria, UNDP, and UNICEF. Support from UNDP and UNICEF will ensure that each African country with endemic dracunculiasis can conduct a national assessment of the extent of the disease and prepare, by 1991, a national plan for eradication of the disease. The U.S. Peace Corps, with support from the U.S. Agency for International Development (USAID), plans to provide up to 10 volunteers in each of 10 African countries to work on dracunculiasis eradication. More recently, the USAID mission to Ghana approved assistance for that country's dracunculiasis eradication program. WHO will convene an international meeting in Geneva during February 1990 to develop consensus criteria for certifying that transmission no longer occurs in a country formerly endemic for dracunculiasis.

Reported by: WHO Collaborating Centre for Research, Training, and Control of Dracunculiasis. Global 2000, Inc, Emory University Carter Center, Inc, Atlanta, Georgia. Div of Parasitic Diseases, Center for Infectious Diseases, CDC.

**Editorial Note:** Larvae of *D. medinensis* are liberated in the stomach or duodenum following ingestion of contaminated water. During an incubation period of approximately 1 year, the larvae develop into worms 20 cm to 120 cm in length. Emergence of the worm(s) through the skin (usually the lower part of the legs) causes severe local

FIGURE 1. Areas of reported or suspected dracunculiasis incidence — worldwide, 1989



#### Dracunculiasis Eradication - Continued

pain and can incapacitate the patient for 1–3 months. Although dracunculiasis rarely kills and recovery is generally complete, the disease has serious effects on the health, agricultural production, and school attendance of affected populations. No practical treatment is available.

Since early in the 20th century, human dracunculiasis has spontaneously disappeared from several countries where it was formerly endemic, e.g., Egypt and Iraq; similarly, the disease disappeared from several countries of mainland South America and the West Indies, where it was introduced during the African slave trade (2). The disease was eliminated by intervention from the southern Union of Soviet Socialist Republics in the 1930s (3) and Tamil Nadu state in India in 1984 (4). Other countries (Central African Republic, Gambia, Guinea, Iran, Saudi Arabia, Somalia, and Yemen) also have reported that the disease no longer occurs within their national territory.

Strategies required to eradicate dracunculiasis in the 1990s include the needs to: 1) conduct national epidemiologic assessments to ascertain the extent of the problem in countries with endemic dracunculiasis that have not yet done so; 2) develop national plans of action in each of the remaining countries with endemic dracunculiasis; 3) mobilize funding and other support to implement national elimination programs; and 4) enhance funding for an international headquarters to provide leadership, guidance, and coordination for national programs (Global 2000/ WHO Collaborating Centre for Research, Training, and Control of Dracunculiasis, unpublished data). In addition, interventions against dracunculiasis can be

TABLE 1. Reported cases of dracunculiasis, by year - worldwide, 1984-1989

Country*	1984	1985	1986	1987	1988	1989
Benin	NA <sup>†</sup>	NA	NA	400	13,892	NA
Burkina Faso	1,739	458	. 2,558	1,957	1,069	NA
Cameroon	0	168	86	NA	746	NA
Chad	1,472	9	314	NA	NA	NA
Côte d'Ivoire	2,573	1,889	1,177	483⁵	NA	NA
Ethiopia	2,882	1,467	3,385	NA	751	NA
Ghana	4,244	4,501	4,717	18,398	71,767	52,808 <sup>§</sup>
India	39,792	30,950	23,070	17,031	12,023	6,791⁵
Kenya	NA	NA	NA	NA	NA	NA
Mali	5,008	4,072	5,640	435	584	NA
Mauritania	1,241	1,291	NA	NA	NA	NA
Niger	NA	1,373 <sup>¶</sup>	NA	699	NA	NA
Nigeria	8,777	5,234	2,821	216,484	653,492	NA
Pakistan	NA	NA	NA	2,400	1,111	449
Senegal	NA	NA	NA	NA	NA	NA
Sudan	NA	NA	822	NA	542	NA
Togo	1,839	1,456	1,325	NA	156	NA
Uganda	6,230	4,070	NA	NA	NA	NA

<sup>\*</sup>Data for Kenya and Senegal are being compiled for 1989.

<sup>&</sup>lt;sup>†</sup>Data not available.

<sup>&</sup>lt;sup>§</sup>Provisional data.

Includes cases of filariasis other than dracunculiasis.

#### Dracunculiasis Fradication - Continued

integrated with other related activities, such as rural water supply projects, community development, health education, agricultural development, and primary health care.

Because the principal requirement for eradication is the provision of clean drinking water, there are no substantial technical barriers to achieving dracunculiasis eradication. However, a major problem in some countries endemic for dracunculiasis is political instability (violence and social upheaval) that disrupts traditional sanitary conditions, spreads disease to new areas, and impedes implementation of preventive measures to affected populations. Important remaining barriers to eradication may include inadequate recognition of the opportunity for eradication and insufficient funding of eradication activities.

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  –6.

TABLE I. Summary - cases of specified notifiable diseases, United States

	51:	st Week End	ing	Cumulative, 51st Week Ending					
Disease	Dec. 23,	Dec. 24,	Median	Dec. 23,	Dec. 24,	Median			
	1989	1988	1984-1988	1989	1988	1984-1988			
Acquired Immunodeficiency Syndrome (AIDS) Aseptic meningitis Encephalitis: Primary (arthropod-borne	81	U*	186	33,345	30,593	12,971			
	149	147	147	9,859	6,941	10,158			
& unspec) Post-infectious	10	15	21	889	804	1,204			
	5	8	2	86	123	110			
Gonorrhea: Civilian	10,128	11,991	16,281	678,332	682,550	835,760			
Military	139	117	339	10,680	11,390	16,756			
Hepatitis: Type A Type B	618	595	527	34,546	26,608	22,604			
	445	371	514	22,512	22,339	25,319			
Non A, Non B	39	54	56	2,272	2,518	3,427			
Unspecified	23	51	71	2,234	2,363	4,286			
Legionellosis Leprosy	24 2	23 3 27	18	1,099 168	988 177	811 237			
Målaria	12	27	16	1,213	999	999			
Measles: Total <sup>†</sup>	696	43	40	15,727	2,919	2,919			
Indigenous Imported	696	41	40	15,050 677	2,519 2,588 331	2,588			
Meningococcal infections Mumps	29 129	49 132	50	2,553	2,726	331 2,614			
Pertussis	47	83	132	5,516	4,669	4,669			
Rubella (German measles)		4	71	3,668	3,150	3,150			
Syphilis (Primary & Secondary): Civilian Military	596	692	692	374 41,318	220 37,958	515 27,559			
Toxic Shock syndrome Tuberculosis	2	26	2	254	219	163			
	9	9	9	371	350	352			
Tularemia	380	375	494	21,014	20,888	21,201			
	1	2	2	142	184	184			
Typhoid Fever Typhus fever, tick-borne (RMSF)	3	8 6	8 3	469 613	398 599	374 687			
Rabies, animal	23	59	68	4,430	4,213	5,229			

# TABLE II. Notifiable diseases of low frequency, United States

	Cum. 1989		Cum. 1989
Anthrax Botulism: Foodborne Infant (Tenn. 1, N. Mex. 1) Other Brucellosis Cholera Congenital rubella syndrome Congenital syphilis, ages < 1 year Diphtheria	24 25 5 83 - 3 243	Leptospirosis Plague Poliomyelitis, Paralytic Psittacosis (Upstate N.Y. 1, N.C. 4) Rabies, human Tetanus (Ga. 1) Trichinosis (N.J. 1)	97 4 106 1 46 25

<sup>\*</sup>Because AIDS cases are not received weekly from all reporting areas, comparison of weekly figures may be misleading.

†There were no cases of internationally imported measles reported for this week.

TABLE III. Cases of specified notifiable diseases, United States, weeks ending December 23, 1989 and December 24, 1988 (51st Week)

		December 23, 1989 and December 24, 1988 (51st Week)												
	Ī	Aseptic	Encep	halitis	Gond	orrhea	Н	epatitis (	Viral), by		Legionel-			
Reporting Area	AIDS	Menin- gitis	Primary	Post-in- fectious	(Civ	ilian)	A	В	NA,NB	Unspeci- fied	losis	Leprosy		
	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1988	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989		
UNITED STATES	33,345	9,859	889	86	678,332	682,550	34,546	22,512	2,272	2,234	1,099	168		
NEW ENGLAND	1,388	534	26	2	20,123	21,642	722	1,105	71	81	69	10		
Maine N.H.	66 39	32 56	5 1	-	255 181	394 273	24 59	70 58	6 10	1 4	6 2	-		
Vt.	13 758	42 168	4 8	2	68 7,915	113 7,465	36 233	81 612	8 27	59	4 43	8		
Mass. R.I.	79	119	-	-	1,403	1,965	54	76	5	10	14	1		
Conn.	433	117	8	-	10,301	11,432	316	208	15	7	-	1		
MID. ATLANTIC Upstate N.Y.	9,607 1,446	1,410 575	41 33	7 5	94,905 18,063	108,551 15,600	4,165 998	3,544 728	211 77	232 21	285 101	23 4		
N.Y. City	4,861 2,219	193	5 3	2	33,223	45,661	447 464	1,400	34 32	173 7	49 43	16 2		
N.J. Pa.	1,081	642		:	14,293 29,326	15,882 31,408	2,256	591 825	68	31	92	1		
E.N. CENTRAL	2,626	1,960	325	9	127,780	116,662	2,104	2,694	261	113	301	4		
Ohio Ind.	482 359	663 266	129 44	4 3	34,087 9,850	26,191 8.782	410 215	486 415	42 29	24 41	127 60	1		
III.	1,151 504	388	72	2	41,339	34,983	935	725	109	28	20	3		
Mich. Wis.	130	520 123	49 31	:	33,072 9,432	36,754 9,952	296 248	669 399	48 33	20	51 43			
W.N. CENTRAL	836	520	50	4	32,745	29,054	1,465	993	116	31	42	1		
Minn. Iowa	164 57	92 85	15 15	1	3,779 2,757	3,880 2,216	163 176	114 47	24 15	7 5	3 6			
Mo.	445	217	3	-	19,978	16,925	767	686	49	13	18	-		
N. Dak. S. Dak.	8 4	14 15	4 4	-	141 272	187 467	14 25	23 10	4 9	2	1 2			
Nebr. Kans.	33 125	22 75	6 3	3	1,622 4,196	1,416 3,963	97 223	30 83	3 12	2 2	6 6	1		
S. ATLANTIC	6.857	1.954	169	26	184,682	191,424	3,614	4,332	339	352	142	2		
Del.	81	84	1	-	3,194	3,057	86	140	6	8	12	-		
Md. D.C.	745 502	232 26	19 -	2	21,073 10,255	20,196 14,311	1,127 12	726 40	31 3	31	32 1	:		
Va. W. Va.	400 73	408 97	44 86	3	15,994 1,482	14,127 1,308	322 27	309 111	69 14	212 10	13	-		
N.C.	492	219	11	2	28,621	27,254	445	1,044	89	-	35	1		
S.C. Ga.	329 1,102	40 135	1 3	1	16,493 36,908	15,064 36,278	89 382	605 430	4 14	11 9	9 26	-		
Fla.	3,133	713	4	18	50,662	59,829	1,124	927	109	71	14	1		
E.S. CENTRAL Ky.	740 116	695 218	49 20	3 1	56,229 5,456	53,361 5,439	412 126	1,604 389	157 53	13 6	65 9	-		
Tenn.	266	125	5	-	18,878	18,750	161	821	35	-	40	-		
Ala. Miss.	213 145	248 104	21 3	1	18,208 13,687	15,840 13,332	79 46	253 141	57 12	3 4	14 2	-		
W.S. CENTRAL	2,748	958	86	12	71,225	73,122	3,911	2,295	150	525	54	25		
Ark. La.	78 506	47 81	10 22	- 5	7,876 15,331	7,220 14,603	283 270	76 377	15 17	13 3	3 10	-		
Okla.	169	83	12	5	6,151	6,915	494	212	38	40	26			
Tex.	1,995	747	42	2	41,867	44,384	2,864	1,630	80	469	15	25		
MOUNTAIN Mont.	1,136 19	328 6	16	6	14,217 192	14,615 397	5,117 89	1,481 49	214 7	157 3	66 3	3 1		
ldaho Wyo.	23 18	2 11	-	1	168 109	316 198	166 67	128 10	13 4	4	4	-		
Colo.	393	159	3	2	3,162	3,272	520	175	62	68	5	-		
N. Mex. Ariz.	86 339	13 99	2 5	1	1,229 5,662	1,441 5,336	713 2,718	214 558	34 51	3 <b>,</b> 63	8 27	1 1		
Utah	74 184	24 14	1	2	437	530	502	115	27	5	8	-		
Nev. PACIFIC	7,407	1,500	5 127	- 17	3,258 76,426	3,125 74,119	342 13,036	232 4,464	16 753	11 730	11 75	100		
Wash.	486	1,300	6	11	6,455	7,080	3,047	970	198	73	26	10		
Oreg. Calif.	229 6,489	1,369	106	16	3,051 65,283	3,178 62,263	2,268 6,905	529 2,815	81 457	17 623	2 43	1 70		
Alaska Hawaii	17 186	37 94	12	•	1,122 515	1,029 569	642 174	60 90	9	5 12	1	19		
Guam	186	94 5	3 1	-	124	143	1/4	90	•	7		19		
P.R.	1,426	138	6	1	1,073	1,288	196	259	26	19	-	9		
V.I. Amer. Samoa	27	-	-		568 44	440 77	36	8	2	-	-	- 5		
C.N.M.I.	-	-	-	-	73	52	3	10	-	2	•	1		

N: Not notifiable

U: Unavailable

C.N.M.I.: Commonwealth of the Northern Mariana Islands

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 23, 1989 and December 24, 1988 (51st Week)

	Malaria		Measi	es (Rut	eola)		Menin-	T			_		Duballa		
Reporting Area	Maiaria	Indig	enous	Impo	rted*	Total	gococcal Infections	Mu	mps		Pertussi	is	ŀ	Rubella	1
	Cum. 1989	1989	Cum. 1989	1989	Cum. 1989	Cum. 1988	Cum. 1989	1989	Cum. 1989	1989	Cum. 1989	Cum. 1988	1989	Cum. 1989	Cun 198
UNITED STATES	1,213	696	15,050	-	677	2,919	2,553	129	5,516	47	3,668	3,150		374	220
NEW ENGLAND Maine	84 1	2	345	-	38 1	115 7	193	-	88	2	393	321	-	6	10
N.H.	2 4	-	9	-	7	88	17 17	-	15	-	25 16	24 47	-	4	
Vt. Mass.	46	2	1 87	-	2 21	4	10 105		3 59	1	10 299	5 205	-	1 1	
R.I. Conn.	19 12	-	37 211	-	3 4	16	1 43	-	11	-	21 22	17 23	-	-	
MID. ATLANTIC	230	4	807		190	989	381	4	478	11	324	314	-	35	1!
Upstate N.Y. N.Y. City	37 94	-	58 108	-	99 17	40 52	135 46	4	181 23	8	148 17	215 10	-	14 16	
N.J. Pa.	61 38	4	417 224	-	16	354	74	-	193	-	35	19	-	5	
E.N. CENTRAL	82	689	5,604		58 116	543 273	126 329	16	81 633	3 12	124 588	70 302	-	29	3
Ohio Ind.	11 11	688	2,204	-	35	109	119	12	165	8	147	49	-	3	3.
III.	36		112 2,551	-	14	57 72	33 85	1 -	51 207	4	60 166	77 59		22	2
Mich. Wis.	16 8	1	321 416	-	23 44	31 4	68 24	3	161 49	-	46 169	39 78	-	1	_
W.N. CENTRAL	36		833	-	11	21	75		440	2	192	144		7	:
Minn. Iowa	10 5	:	17 12	-	1	11 2	17 2	-	2 52	-	60 15	62 34	-	1	
Mo. N. Dak.	13	-	561	•	-	8	21	-	81	-	92	25	-	4	
S. Dak.	2 1		-	-	-	-	8	-		-	4	11 5	-	1	
Nebr. Kans.	2 3	:	111 132	-	2 8	-	18 9	-	5 300	2	9	7	-	1	:
S. ATLANTIC	214		662		76	437	473	41	1,091	5	365	266	-	21	18
Del. Md.	7 38	:	42 69	-	1 36	- 17	2 75	38	1 567	3	1	7	-	-	
D.C.	11	-	37	-	5	-	15	2	142	1	80 4	48 1	-	2	•
Va. W. Va.	46 3	:	19 53	-	3	239 6	73 13	-	132 16	-	36 34	29 10	-	:	1
N.C. S.C.	21 10	-	187 15	-	3	5	68 33	1	45 49	1	79	67	-	1	
Ga. Fla.	16 62	-	238		16	170	78	-	92	-	54	1 39	-		:
E.S. CENTRAL	19	1	250	-	12 5	170 69	116 92	2	47 238	-	77	64	-	18	;
Ky. Tenn.	1 5	-	40	-	4	35	46	-	9	-	200 1	106 13	-	5	:
Ala.	7	1	150 59	-	1	:	13 28	2	86 29	-	113 79	30 58	-	4 1	2
Miss.	6 77	-	1	•	-	34	5	N	N	-	7	5	-	-	
W.S. CENTRAL Ark.	-	-	3,264 3	-	75 19	25 1	184 13	44 4	1,670 196	3	378 31	239 38	:	50	23
La. Okia.	3 8	:	119 126	-	-	8	46 25	13 10	736	-	31	20	-	5	
Tex.	66	-	3,016	-	56	16	100	17	208 530	3	66 250	62 119	-	1 44	19
MOUNTAIN Mont.	27 1	-	364 12	-	54 1	204 84	75 2	21	289	3	686	928	-	37	(
Idaho	2	-	'-	-	ż	1	3	12	4 39		43 76	4 358	-	1 32	
Wyo. Colo.	1 6	-	80	-	19	115	1 25	5	8 82	3	106	2 42	-	2 1	:
N. Mex. Ariz.	5 9	-	16 141	•	15 4	3	2 28	Ñ	N	-	35	50	-		•
Utah		-	114	-	-	1	6	4	130 19	-	400 25	440 31	-	-	3
Nev. PACIFIC	3 444	-	1 2,921		8	700	8	-	7	-	1	1	-	1	1
Wash.	36	-	31	-	112 22	786 7	751 81	1	589 52	9 4	542 193	530 126		184	111
Oreg. Calif.	20 377	-	12 2,857	-	48 30	8 757	55 598	N	N 515	4	18	50	-	4	
Alaska Hawaii	3	-	1 20	:	12	757 2 12	13	-	2	-	304 1	286 8	-	158	80
Guam	3	U	-	U		12	1	1 U	20 6	1	26	60	-	22	31
P.R. V.I.	1	6 U	568	-	-	231	8	-	8	U -	1 6	15	U	8	1
Amer. Samoa	-	Ú	4	U	-	-	-	U	18 3	U	-	-	U	-	
C.N.M.I.	1	U	-	U	-	-	-	Ū	6	ŭ			Ü		-

\*For measles only, imported cases includes both out-of-state and international importations.

N: Not notifiable U: Unavailable ¹International ⁵Out-of-state

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 23, 1989 and December 24, 1988 (51st Week)

Reporting Area		s (Civilian) k Secondary)	Toxic- shock Syndrome	Tuber	culosis	Tula- remia	Typhoid Fever	Typhus Fever (Tick-borne) (RMSF)	Rabies Anima
	Cum. 1989	Cum. 1988	Cum. 1989	Cum. 1989	Cum. 1988	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989
UNITED STATES	41,318	37,958	371	21,014	20,888	142	469	613	4,430
NEW ENGLAND	1,673	1,193	24	639	545	2	41	7	9
Maine	13	12 7	6 5	25 27	30 11	-	1	-	2 2
N.H. Vt.	14 1	3	1	9	6	-		-	-
Mass.	498	434	7 1	361 64	319 39	2	27 6	4 1	2
R.I. Conn.	30 1,117	33 704	4	153	140	-	7	2	3
MID. ATLANTIC	8,803	7,571	62	4,398	4,317	4	137	64	766
Upstate N.Y.	945	607	14	364	541	1	40	14	57
N.Y. City N.J.	3,841 1,438	4,570 1,001	4 13	2,493 862	2,361 748	2	58 31	3 24	43
Pa.	2,579	1,393	31	679	667	1	8	23	666
E.N. CENTRAL	1,885	1,191	61	2,159	2,315	3	48	54	141
Ohio Ind.	182 59	112 51	19 9	357 186	433 249	1	9 4	26 18	12 22
III.	828	533	12	1,037	1,044	-	24	7	29
Mich.	660	433	21	453	490	1	6	3	29
Wis.	156	62		126	99	1	5	-	49
W.N. CENTRAL Minn.	330 61	263 18	48 14	553 101	507 85	54	7 2	75	574 142
lowa	36	27	7	55	56	-	2	4	110
Mo.	176	156	10	265	244 15	42	2	53 1	60
N. Dak. S. Dak.	4 1	2	1 4	15 31	33	5		5	61 103
Nebr.	24	27	9	22	16	3	-	1	45
Kans.	28	33	3	64	58	4	1	11	53
S. ATLANTIC	13,711	14,236	26	4,448	4,459 47	6	44 2	224 1	1,318
Del. Md.	226 824	102 697	2 1	42 382	434	2	9	19	36 370
D.C.	835	712	1	156	175	-	2	-	2
Va. W. Va.	593 15	428 37	4	370 73	401 70	4	7	16 2	260 48
N.C.	1,141	828	6	590	525	-	2	118	7
S.C.	861	714	4	494	477 731		2 6	40 24	190
Ga. Fla.	2,380 6,836	2,542 8,176	3 5	779 1,562	1,599		14	4	229 176
E.S. CENTRAL	3,036	2,037	10	1,610	1,742	8	3	65	343
Ky.	55	66	3	355	364	1	1	14	134
Tenn.	1,344	895	5	522	513 518	6	1 1	35 6	89
Ala. Miss.	920 717	567 509	1	455 278	347	1		10	116 4
W.S. CENTRAL	6,217	4,416	27	2,566	2,628	43	17	96	600
Ark.	381	267	2	290	307	32	-	19	86
La. Okla.	1,583	857 142	16	333 214	335 236	11	1	1 60	13 97
Tex.	117 4,136	3,150	9	1,729	1,750	• • •	15	16	404
MOUNTAIN	826	814	46	572	596	15	13	24	261
Mont.	2	3	-	16	30	1	:	14	73
ldaho Wyo.	1 6	3 1	4 2	27	22 5	2		4 2	11 74
Colo.	63	111	9	54	97	3	2	3	33
N. Mex. Ariz.	26	47 169	5 12	94 296	98 250	2	2 8	1	22 27
Utah	349 16	19	10	44	33	6	1		9
Nev.	363	461	4	41	61	1	-	•	12
PACIFIC	4,837	6,237	67	4,069	3,779	7	159	4	418
Wash. Oreg.	444	256 213	5	231 139	226 154	1 4	10 6	1	-
Calif.	239 4,128	313 5,625	61	3,463	3,187	2	132	3	350
Alaska	11	15	-	53	50	-	44	-	68
Hawaii	15	28	1	183	162	-	11	•	-
Guam P.R.	4 519	3 676	-	68 289	31 275	-	3 10	•	- 72
V.I.	519 8	2		4	6	-	1	-	-
Amer. Samoa	-	-	-	5	5	-	8	-	-
C.N.M.I.	8	1	-	21	25	-	-	•	-

TABLE IV. Deaths in 121 U.S. cities,\* week ending December 23 1989 (51st Week)

	December 23, 1989 (51st Week)  All Causes, By Age (Years)  All Causes, By Age (Years)														
		All Cau	ıses, B	y Age	(Years)		P&I**			All Cau	ıses, B	y Age	(Years)		P&I**
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total
NEW ENGLAND	702	485	121	56	12	28	55	S. ATLANTIC	1,234	784	261	109	39	41	71 5
Boston, Mass. Bridgeport, Conn.	209 49	132 38	32 6	25 2	3 1	17 2	18 3	Atlanta, Ga. Baltimore, Md.	154 276	92 173	30 55	24 30	4 7	4 11	22
Cambridge, Mass.	23	16	4	3	-	-	2	Charlotte, N.C.	65	39	18	6	í	1	2
Fall River, Mass.	28	23	5	-	-	-		Jacksonville, Fla.	137	100	22	7	5	3	8
Hartford, Conn.	59 31	37 21	15 7	5 3	-	2	2	Miami, Fla.	104	54	30 8	10	6	4	1
Lowell, Mass. Lynn, Mass.	16	10	4	2	:		1	Norfolk, Va. Richmond, Va.	44 102	27 64	28	6 2	2	7	16
New Bedford, Mass.	36	23	11	2			-	Savannah, Ga.	52	36	11	3	ż	-	6
New Haven, Conn.	36	20	7	6	2	1	1	St. Petersburg, Fla.	94	74	13	4	-	3	3
Providence, R.I.	42 6	31 5	7 1	1	1	2	1 2	Tampa, Fla.	78	49	17	4	6	2 5	5 1
Somerville, Mass. Springfield, Mass.	48	35	ż	3	1	2	4	Washington, D.C. Wilmington, Del.	98 30	51 25	24 5	13	5		ż
Waterbury, Conn.	43	36	3	2	1	1	6	1			-	50	21	15	43
Worcester, Mass.	76	58	12	2	3	1	12	E.S. CENTRAL Birmingham, Ala.	662 108	426 65	150 25	8	5	5	4
MID. ATLANTIC	2,849	1,881	532	275	66	94	187	Chattanooga, Tenn.	47	34	-8	š	-	2	2
Albany, N.Y.	46	35	4	3	-	4	2	Knoxville, Tenn.	68	54	9	2	2	1	7
Allentown, Pa. Buffalo, N.Y.	21 169	18 110	1 27	2 28	2	2	1 17	Louisville, Ky.	76	49	19	6	8	2 2	2 20
Camden, N.J.	33	16	10	- 3	ī	3	٠,	Memphis, Tenn. Mobile, Ala.	176 12	96 7	51 3	19 2	•	-	20
Elizabeth, N.J.	26	21	5	-	-	-	1	Montgomery, Ala.	63	41	12	4	4	2	2
Erie, Pa.†	32	26	3	2	1	:	4	Nashville, Tenn.	112	80	23	6	2	1	6
Jersey City, N.J. N.Y. City, N.Y.	37 1.640	26 1.035	2 318	5 181	2 36	1 70	1 88	W.S. CENTRAL	1,759	1,120	348	186	66	39	92
Newark, N.J.	69	30	18	14	5	2	6	Austin, Tex.	74	52	9	7	5	1	7
Paterson, N.J.	27	20	6	. 1	-	-	1	Baton Rouge, La. Corpus Christi, Tex.	23 39	16 26	5 6	2	1	2	1
Philadelphia, Pa.	296 71	204	62 12	17 3	6 3	7 1	24 3	Dallas, Tex.	187	117	31	24	10	5	5
Pittsburgh, Pa.† Reading, Pa.	40	52 32	3	4		i	6	El Paso, Tex.	71	48	13	6	4	-	5
Rochester, N.Y.	122	86	29	2	5	-	15	Fort Worth, Tex	105	70	20	8	3	4	9
Schenectady, N.Y.	28	20	4	3	•	1	2	Houston, Tex.§ Little Rock, Ark.	734 52	436 34	169 10	89 5	24 2	16 1	18 4
Scranton, Pa.† Syracuse, N.Y.	31 75	26 52	14	2	5	2	5 6	New Orleans, La.	98	65	18	11	2	2	-
Trenton, N.J.	30	24	5	ĩ	-	-	1	San Antonio, Tex.	213	145	36	19	8	5	20
Utica, N.Y.	24	22	2	-	-	-	:	Shreveport, La. Tulsa, Okla.	67 96	48 63	11 20	4 7	3 4	1 2	6 16
Yonkers, N.Y.	32	26	4	2		-	4	MOUNTAIN	684	453	134	53	22	21	30
E.N. CENTRAL Akron, Ohio	2,318 76	1,574 57	467 11	154 4	46	77 4	114	Albuquerque, N. Mex		64	13	8	4	3	4
Canton, Ohio	45	36	7	ī	-	1	3	Colo. Springs, Colo.	34	26	6	2	-	:	2
Chicago, III.§	564	362	125	45	10	22	16	Denver, Colo. Las Vegas, Nev.	98 102	57 60	20 27	11 9	6 4	4 2	1 7
Cincinnati, Ohio§	128 154	89 105	29 31	6 10	2 3	2 5	14 4	Ogden, Utah	12	11	-	1	-	-	ź
Cleveland, Ohio Columbus, Ohio	185	116	41	17	4	7	ī	Phoenix, Ariz.	153	98	31	14	6	4	4
Dayton, Ohio	121	81	26	4	5	5	12	Pueblo, Colo.	19	17 32	2 8	3	1	-	4
Detroit, Mich.§	257	155	55	28	6	13	7	Salt Lake City, Utah§ Tucson, Ariz.	47 126	88	27	5	1	3 5	1 5
Evansville, Ind. Fort Wayne, Ind.	32 45	24 31	7	5	1 2	-	6	PACIFIC	1.781	1,173	292	183	63	57	84
Gary, Ind.	15	9	2	3	1		ž		1,701	16	1	1	-	1	-
Grand Rapids, Mich.	69	53	11	. 1	2	2	4	Berkeley, Calif. Fresno, Calif.	76	51	17	4	1	3	1
Indianapolis, Ind.	182	130	32 5	12 2	4 1	4	8 4	Glendale, Calif.	25 59	12 45	8	3 5	1	1	1
Madison, Wis.§ Milwaukee, Wis.	38 129	30 94	21	6	4	4	ī	Honolulu, Hawaii Long Beach, Calif.	87	49	15	7	8	8	12 4
Peoria, III.	47	29	14	1	-	3	5	Los Angeles Calif.	418	266	60	51	29	3	7
Rockford, III.	44	36	5	3	-	:	8	Oakland, Calif.	74	38	16	9	2	9	4
South Bend, Ind.	32 88	27 60	3 23	1 2	1	1	2 13	Pasadena, Calif. Portland, Oreg.	30 131	23 100	4 16	1 9	2	2 4	1 6
Toledo, Ohio Youngstown, Ohio§	67	50	12	3		2	4	Sacramento, Calif.	133	86	27	12	3	5	13
W.N. CENTRAL	828	620	130	37	20	21	52	San Diego, Calif.	136	94	21	15	3	2	10
Des Moines, Iowa	73	52	12	3,	3	3	8	San Francisco, Calif.	163 178	96 119	28 34	31 16	3 3	5 4	4 15
Duluth, Minn.	27	24	3	-	-	-	1	San Jose, Calif. Seattle, Wash.	130	89	20	8	6	7	3
Kansas City, Kans.	21	16	2	2	1 2	3	1 15	Spokane, Wash.	66	46	8	8	ĭ	á	2
Kansas City, Mo.	105 44	72 38	25 3	2	1		4	Tacoma, Wash.	56	43	9	3	1	-	1
Lincoln, Nebr. Minneapolis, Minn.	153	111	26	7	5	4	13	TOTAL 1	2,817 <sup>†1</sup>	8,516	2,435	1,103	355	393	728
Omaha, Nebr.	92	68	20	1	3	:	4								
St. Louis, Mo.	191	146	24 9	9 8	4 1	8	1								
St. Paul, Minn. Wichita, Kans.	73 49	52 41	6	2		-	1								
TTICINIA, NAIIS.	40	71	٠	-			•								

<sup>\*</sup>Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

<sup>†</sup>Because of changes in reporting methods in these 3 Pennsylvania cities, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks. ††Total includes unknown ages.

<sup>§</sup>Data not available. Figures are estimates based on average of past available 4 weeks.

TABLE I. Summary - cases of specified notifiable diseases, United States

	52r	nd Week End	ling	Cumulati	ve, 52nd We	ek Ending
Disease	Dec. 30, 1989   1989	Dec. 31, 1988	Median 1984-1988	Dec. 30, 1989	Dec. 31, 1988	Median 1984-1988
Acquired Immunodeficiency Syndrome (AIDS) Aseptic meningitis Encephalitis: Primary (arthropod-borne	127	U* 220	304 186	34,340 9,983	30,878 7,161	13,405 10,379
& unspec) Post-infectious Gonorrhea: Civilian	3	26 1 13,981	28 3 13,646	916 85 689.922	830 124 696.531	1,228 118 850,378
Hepatitis: Type A	149	180 1,422	213 662	10,829 35,165	11,570 28,030	16,969 23,169
Type B Non A, Non B	428 49	999 112	765 95	22,963 2,323	23,338 2,630	25,842 3,494
Unspecified Legionellosis Leprosy		105 58 3	105 26 3	2,304 1,128 169	2,468 1,046 180	4,368 832 249
Malaria Measles: Total <sup>†</sup>	559	45 146	28 28	1,232 16,236	1,044 3,065	1,034 3,065
Indigenous Imported	43	143 3	28 3	15,511 730	2,731 334	2,731 334
Meningococcal infections Mumps Pertussis	80	86 223 229	75 223 101	2,595 5,611 3,745	2,812 4,892 3,379	2,689 4,892 3,379
Rubella (German measles) Syphilis (Primary & Secondary): Civilian	1	10 879	6 467	373 42,600	230 38,837	530 27,947
Military Toxic Shock syndrome		22 21 917	8 9 941	257 376 21,520	241 371 21,805	169 367 22,144
Tuberculosis Tularemia Typhoid Fever	2	13 30	941 4 12	21,520 144 478	197 428	197 379
Typhus fever, tick-borne (RMSF) Rabies, animal	5 25	13 114	100	619 4,460	612 4,327	698 5,318

# TABLE II. Notifiable diseases of low frequency, United States

	Cum. 1989		Cum. 1989
Anthrax Botulism: Foodborne Infant (Va. 1, Tenn. 1) Other Brucellosis (Calif. 1) Cholera Congenital rubella syndrome Congenital syphilis, ages < 1 year Diphtheria	24 27 5 84 - 3 243	Leptospirosis (Upstate N.Y. 1) Plague Poliomyelitis, Paralytic\$ Psittacosis (N.Y. City 1, Minn. 1, N.C. 5, S.C. 1, Wash. 1) Rabies, human Tetanus Trichinosis (Okla. 1)	98 4 - 114 1 47 28

Because AIDS cases are not received weekly from all reporting areas, comparison of weekly figures may be misleading.

Two of the 559 reported cases for this week were imported from a foreign country or can be directly traceable to a known internationally imported case within two generations.

Thirteen cases of suspected poliomyelitis have been reported in 1989 and are under investigation; 9 of 14 suspected cases in

<sup>1988</sup> have been confirmed to date and 9 were determined to be vaccine-associated.

TABLE III. Cases of specified notifiable diseases, United States, weeks ending December 30, 1989 and December 31, 1988 (52nd Week)

					ila Dec				Carl to				
	AIDS	Aseptic Menin-	Primary	halitis Post-in-		rrhea ilian)		epatitis (	Viral), by NA,NB	type Unspeci-	Legionel- losis	Leprosy	
Reporting Area	Cum.	gitis Cum.	Cum.	fectious Cum.	Cum.	Cum.	A Cum.	Cum.	Cum.	fied Cum.	Cum.	Cum.	
	1989	1989	1989	1989	1989	1988	1989	1989	1989	1989	1989	1989	
UNITED STATES	34,340	9,983	916	85	689,922	696,531	35,165	22,963	2,323	2,304	1,128	169	
NEW ENGLAND Maine	1,404 66	536 32	27 6	2	20,387 259	21,932 394	728 24	1,118 69	71 6	83 1	72 9	10	
N.H.	39	56	1	-	181	274	59	62	10	4	2	-	
Vt. Mass.	20 758	42 169	4 8	2	70 8,069	114 7,549	36 239	81 616	8 27	61	4 43	8	
R.I. Conn.	88 433	120 117	- 8	-	1,414 10,394	1,998 11,603	54 316	77 213	5 15	10 7	14	1 1	
MID. ATLANTIC	9,621	1,426	43	7	95,223	113,016	4,221	3,586	212	233	296	23	
Upstate N.Y. N.Y. City	1,426 4,858	579 198	35 5	5 2	18,271 33,223	16,655 48,567	1,016 472	735 1,428	78 33	21 174	102 51	4 16	
N.J.	2,258	-	3		14,403	16,222	472	593	33	7	46	2	
Pa.	1,079	649	-	-	29,326	31,572	2,261	830	68	31	97	1	
E.N. CENTRAL Ohio	2,619 481	1,976 670	328 128	9 4	132,189 34,548	118,384 26,650	2,122 419	2,753 509	265 43	116 25	301 124	4	
Ind. III.	357 1,147	268 395	45 74	3 2	9,880 44,428	8,857	216	422	31	43	61	1 3	
Mich.	504	520	50	-	33,627	35,412 37,412	938 298	725 678	109 48	28 20	20 53	-	
Wis.	130	123	31	•	9,706	10,053	251	419	34	-	43	-	
W.N. CENTRAL Minn.	856 176	563 96	54 18	4 1	33,615 3,807	29,980 3,950	1,482 164	1,000 116	117 24	31 7	47 6	1	
lowa	57 445	85	15	-	2,757	2,385	182	49	15	5	6	-	
Mo. N. Dak.	445 8	221 14	3 4	-	20,625 143	17,366 187	776 14	689 23	50 4	13 2	19 1	-	
S. Dak. Nebr.	4 33	15 23	4 6	-	273	474	26	10	9	-	2	:	
Kans.	133	109	4	3	1,684 4,326	1,416 4,202	97 223	30 83	3 12	2 2	6 7	1	
S. ATLANTIC	7,226	1,966	170	29	186,523	195,306	3,657	4,403	352	381	144	2	
Del. Md.	80 727	84 235	1 19	2	3,411 21,400	3,142 21,044	87 1,130	141 736	6 32	8 31	12 32	-	
D.C.	500	26	-	-	10,255	14,490	12	41	3	-	1	-	
Va. W. Va.	394 53	408 96	44 87	3	15,995 1,500	14,464 1,329	327 27	310 112	69 14	241 10	13		
N.C. S.C.	491 329	221 40	11 1	2 1	29,132	28,132	465	1,072	99	-	36	1	
Ga.	1,117	136	3	2	16,493 37,110	15,067 36,907	92 383	617 434	4 14	11 9	10 26	-	
Fla.	3,535	720	4	19	51,227	60,731	1,134	940	111	71	14	1	
E.S. CENTRAL Ky.	769 115	699 220	49 20	3 1	56,843 5,516	53,907 5,510	422 129	1,639 402	160 56	13 6	65 9	-	
Tenn.	266	126	5	-	19,187	19,075	161	843	35	-	40	-	
Ala. Miss.	218 170	249 104	21 3	1	18,208 13,932	15,840 13,482	86 46	253 141	57 12	3 4	14 2	-	
W.S. CENTRAL	3,173	976	92	8	72,758	73,659	3,982	2,338	153	530	54	25	
Ark. La.	78 511	47 82	10 26	1	8,086 15,381	7,299 14,939	285 272	76 380	15 17	13 3	3 10	-	
Okla. Tex.	169 2,415	83 764	12 44	5	6,449	7,037	512	216	38	40	26	-	
MOUNTAIN	1,137	333	17	2 6	42,842 14,444	44,384 15,004	2,913 5,234	1,666 1,535	83 218	474 167	15 69	25 3	
Mont.	18	6	٠,	-	196	400	89	50	7	3	3	1	
ldaho Wyo.	23 16	2 11	-	1	172 109	318 · 202	166 68	133 10	13 4	4	4	-	
Colo.	392	162	4	2	3,162	3,336	524	180	63	71	6	-	
N. Mex. Ariz.	93 338	13 101	2 5	1 -	1,248 5,775	1,479 5,551	731 2,795	216 586	34 53	3 69	8 28	1 1	
Utah Nev	74 183	24 14	1 5	2	441 3,341	531 3,187	519 342	120 240	28 16	6 11	8 12	-	
PACIFIC	7,535	1,508	136	17	77,940	75,343	13,317	4.591	775	750	80	101	
Wash.	486	-	6	1	6,554	7,152	3,115	998	203	74	29	10	
Oreg. Calif.	228 6,619	1,377	114	16	3,104 66,617	3,239 63,314	2,306 7,080	545 2,898	82 473	17 642	2 45	2 70	
Alaska	17	37	13	-	1,140	1,048	642	60	9	5	1	-	
Hawaii Guam	185 1	94 24	3 1	•	525 139	590 143	174 8	90	8	12	3	19	
P.R.	1,499	139	6	1	1,073	1,307	196	259	26	9 19	-	1 9	
V.I. Amer. Samoa	27	-		-	697 44	450 77	36	9	2	-	-	5	
C.N.M.I.	-	-	-	-	77	52	3	10	-	2	-	1	
·													

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 30, 1989 and December 31, 1988 (52nd Week)

	44-1		Meas	les (Rut	eola)		Menin-					_	Bubelle			
Reporting Area	Malaria	Indig	enous	Impo	rted*	Total	gococcal Infections	<sup>Mu</sup>	mps		Pertussi	•		Rubella	ı	
	Cum. 1989	1989	Cum. 1989	1989	Cum. 1989	Cum. 1988	Cum. 1989	1989	Cum. 1989	1989	Cum. 1989	Cum. 1988	1989	Cum. 1989	Cum. 1988	
UNITED STATES	1,232	516	15,511	43	730	3,065	2,595	80	5,611	61	3,745	3,379	1	373	230	
NEW ENGLAND	84	-	345	-	38	129	195	-	88	24	417	327	-	6	12	
Maine N.H.	1 2	-	9		1 7	7 100	17 18	-	15	2 14	27 30	24 47	:	4	6	
Vt.	4	-	1	-	2	-	10	-	3	1	11	5	-	1	-	
Mass. R.I.	46 19	-	87 37		21 3	6	106 1	•	59	7	306 21	211 17	•	1	5 1	
Conn.	12		211	-	4	16	43	-	11	-	22	23	-	-	-	
MID. ATLANTIC	231	-	807	40	230	995	388	1	486	3	327	331	-	35 14	17	
Upstate N.Y. N.Y. City	37 95	-	58 108	405	139 17	41 57	135 46	1	182 23	3	151 17	231 11		16	2 9	
N.J.	61	-	417	-	16	354	76	-	200	-	35	19	-	5	4	
Pa.	38	-	224	-	58	543	131	-	81	-	124	70	-	-	2	
E.N. CENTRAL Ohio	82 11	481 481	6,106 2,685		116 35	273 109	336 123	-	636 165	3	599 147	317 60	:	29 3	34 1	
Ind.	ii		112	-	-	57	33	-	51	-	60	81	-	-	-	
III.	36	-	2,572	-	14	72	86	-	207	2	167 48	59 39	-	22 1	29	
Mich. Wis.	16 8	-	321 416	-	23 44	31 4	70 24	-	161 52	1	177	78	-	3	4	
W.N. CENTRAL	37	_	833	1	21	78	77	12	453	-	198	188	-	7	2	
Minn. Iowa	10	-	17	1§	10	11 2	17 2	1	2 53	-	66 15	106 34	-	1	-	
Mo.	5 13	-	12 561	-	1	65	21	i	83		92	25	:	4	:	
N. Dak.	2	-	-	-	-	-	-	-	-	-	4	11	-	1	-	
S. Dak. Nebr.	2	-	111	-	2	-	8 18	-	- 5	-	4 9	5	:		:	
Kans.	3	-	132	-	8		11	10	310	-	8	7	-	1	2	
S. ATLANTIC	216	35	698	2	78	437	476	34	1,125	3	370	275	•	22	18	
Del. Md.	7 39	8	42 77	2†	1 38	17	2 77	15	582		1 80	7 48	:	2	1	
D.C.	11	-	37	-	5	-	15	1	143	-	4	1	-	-	-	
Va. W. Va.	46 3	-	19 53	-	3	239 6	72 13	1	132 17	2	36 36	29 10	-	-	11	
N.C.	21		187	-	3	5	68		45	-	79	67	-	1	1	
S.C.	10	-	15	-	-	-	33	7	56	-		1	•	-	:	
Ga. Fla.	16 63	27	2 266	-	16 12	170	79 117	10	102 47	1	55 79	40 72	-	19	2	
E.S. CENTRAL	20	-	250	-	5	70	91		238	-	200	112		5	2	
Ky. Tenn.	1	-	40	-	4	36	46	•	9	•	. 1	15	-	-	-	
ienn. Ala.	5 8	-	150 59	-	1	-	13 27		86 29		113 79	30 62	:	4 1	2	
Miss.	6	-	1	-	÷	34	5	N	Ň	-	7	5		÷	-	
W.S. CENTRAL Ark.	78	-	3,264	-	75	26	186	29	1,699	-	378	249	-	50	24	
Ark. La.	3	:	3 119	-	19	1	13 47	6 9	202 745		31 31	40 21	•	5	4	
Okla.	8	-	126	-	-	8	25	3	211	-	66	69		ĭ	1	
Tex.	67	•	3,016	•	56	16	101	11	541	-	250	119	-	44	19	
MOUNTAIN Mont.	29 1	-	364 12	-	54	208 86	78 2	-	289 4	1	687	1,038	-	37	6	
ldaho	2	- :	- 12	-	1 7	1	4	-	39	:	43 76	4 369	:	1 32	:	
Wyo.	1	-	-	-	-		.1	-	8	-	-	2	-	2	-	
Colo. N. Mex.	8 5	-	80 16	•	19 15	115	25 2	N	82 N	1	107 35	75 50	-	1	2	
Ariz.	9	-	141		4	4	30		130		400	493	:	-	-	
Utah Nev.	-	•	114	-	-	2	6	-	19	-	25	44	•		3	
	3	•	1	-	8	-	8		7	-	1	1	•	1	1	
PACIFIC Wash.	455 41	-	2,844 31	-	113 22	849 7	768 88	4	597 56	27 1	569 194	542 132	1	182	115	
Oreg.	20		12		48	8	59	Ň	N N	-	194	132 52	:	4		
Calif. Alaska	383 3	-	2,780	-	31	820	604	-	519	24	328	289	-	155	84	
Hawaii	8	-	1 20	-	12	2 12	13 4		2 20	2	1 28	8 61	1	23	31	
Guam	7	U	1	U	2	1	1	U	12	U	1		Ü	23		
0.0	1		568		-	289	8	Ĭ.	8	•	6	15	J	8	1 3	
P.R.											•		-	•		
r.ĸ. V.I. Amer. Samoa	-	Ū	4	Ū	-	•	-	1 U	21 3	u.	-		Ü	•	•	

<sup>\*</sup>For measles only, imported cases includes both out-of-state and international importations.

N: Not notifiable U: Unavailable †International \*Out-of-state

TABLE III. (Cont'd.) Cases of specified notifiable diseases, United States, weeks ending December 30, 1989 and December 31, 1988 (52nd Week)

Reporting Area UNITED STATES		(Civilian) ( Secondary)	Toxic- shock Syndrome	Tuber	culosis	Tula- remia	Typhoid Fever	Typhus Fever (Tick-borne) (RMSF)	Rabies, Animal
	Cum. 1989	Cum. 1988	Cum. 1989	Cum. 1989	Cum. 1988	Cum. 1989	Cum. 1989	Cum. 1989	Cum. 1989
	42,600	38,837	376	21,520	21,805	144	478	619	4,460
NEW ENGLAND	1,716	1,207	24	717	608	2	41	7	9
Maine N.H.	13 14	12 7	6 5	25 30	30 11	-	1	-	2
Vt.	'1	3	1	9	6	-		-	-
Mass.	512	441	7	430	381	2	27	4	2
R.I. Conn.	30 1,146	35 709	1 4	64 159	39 141	-	6 7	1 2	3
MID. ATLANTIC	8,843	7,758	62	4,470	4,467	4	138	66	772
Upstate N.Y.	957	635	14	372	577	1	41	14	57
N.Y. City N.J.	3,841 1,466	4,695 1,029	4 13	2,533 886	2,426 791	2	58 31	3 26	45
Pa.	2,579	1,399	31	679	673	1	8	23	670
E.N. CENTRAL	2,049	1,253	63	2,189	2,385	3	48	53	141
Ohio Ind.	182 61	114 51	19 9	381	435		9	25	12
Ma. III.	944	51 544	9 14	186 1,034	259 1,078	1	4 24	18 7	22 29
Mich.	695	481	21	462	510	1	6	3	29
Wis.	167	63	-	126	103	1	5	-	49
W.N. CENTRAL Minn.	342	267	49	571	542	55	7	75	581
lowa	64 36	18 28	15 7	103 68	89	•	2 2	4	147 110
Mo.	183	159	10	265	56 275	43	2	53	60
N. Dak.	4	2	1	15	15		-	1	61
S. Dak. Nebr.	1 26	27	4 9	31	33	5	-	5	103 45
Kans.	28	33	3	22 67	16 58	3 4	1	1 11	55
S. ATLANTIC	14,084	14,633	26	4.563	4,779	6	45	224	1,324
Del. Md.	230	104	2	46	47	-	2	1	36
D.C.	853 835	705 726	1	382 156	459	2	10	19	373 2
Va.	593	449	4	381	179 406	4	2 7	16	262
W. Va.	16	37	•	73	70	-	-	2	48
N.C. S.C.	1,162 861	840 741	6 4	637	621	-	2	118	7 191
Ga.	2,380	2,593	3	494 801	484 835		2 6	40 24	229
Fla.	7,154	8,438	5	1,593	1,678	-	14	4	176
E.S. CENTRAL	3,133	2,076	10	1,674	1,802	8	3	66	343
Ky. Tenn.	59 1,427	68	3	355	384	1	1	15	134
Ala.	920	922 567	5 1	562 464	513 524	6	1 1	35 6	89 116
Miss.	727	519	i	293	381	1		10	4
W.S. CENTRAL	6,484	4,443	27	2,636	2.701	43	17	100	604
Ark.	387	267	2	313	338	32	-	21	86
La. Okla.	1,632 124	881 145	16	333 220	349	•	1 1	1	14 99
Tex.	4,341	3,150	9	1,770	236 1,778	11	15	62 16	405
MOUNTAIN	892	858	46	575	630	16	13 '	24	262
Mont.	2	3	•	16	39	1	-	14	74
ldaho Wyo.	1 6	3 1	4 2	28	22	-	-	4	11 74
Colo.	63	112	9	54	5 97	2 3	2	2 3	33
N. Mex.	31	50	5	96	108	2	2	ĭ	22
Ariz. Utah	380	169	12	296	263	-	8	-	27 9
Nev.	16 393	20 500	10 4	44 41	35 61	7 1	1	•	12
PACIFIC	5,057	6,342	69	4,125	3,891	7	166		424
Wash.	444	265	7	240	234	1	166 10	4	-
Oreg.	245	326		145	161	4	6	1	
Calif. Alaska	4,341 12	5,708 15	61	3,496 55	3,274 52	2	139	3	356 68
Hawaii	15	28	1	189	170		11	-	- 68
Guam	4	3	-	76	31		3	_	
P.R.	519	682	-	289	275	-	10	-	74
V.I.	10	2	-	4	6	-	1	-	-
Amer. Samoa C.N.M.I.	11	i	-	5 24	5 25	-	8	•	
	• • •	•			25	-	-	•	-

TABLE IV. Deaths in 121 U.S. cities,\* week ending December 30. 1989 (52nd Week)

December 30, 1989 (52nd Week)															
	All Causes, By Age (Years)								All Causes, By Age (Years)						P&I**
Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	Total
NEW ENGLAND	667	454	126	53	17	17	51	S. ATLANTIC	1,150	696	278	118	39	19	65
Boston, Mass. Bridgeport, Conn.	183	97 26	46 8	26 1	3 1	11 1	19 1	Atlanta, Ga.	129	69	34	19	6	1	5
Cambridge, Mass.	37 23	19	3	'	i		i	Baltimore, Md. Charlotte, N.C.	269 31	165 20	70 6	27 4	4	3	25
Fall River, Mass.	36	30	5	1	-		-	Jacksonville, Fla.	104	69	18	8	6	з	11
Hartford, Conn.	54	40	5	6	3	-	3	Miami, Fla.	174	100	45	22	7	-	-
Lowell, Mass. Lynn, Mass.	29 26	24 22	2	2	:	1	1	Norfolk, Va.	49	27	7 22	6	3	6	5 6
New Bedford, Mass.§		22	5	1			i	Richmond, Va. Savannah, Ga.	73 32	48 12	14	5	1	:	1
New Haven, Conn.	50	33	9	5	2	1	9	St. Petersburg, Fla.	54	44	7	1	i	1	5
Providence, R.I.	40	26	12	1	1	-	1	Tampa, Fla.	57	35	15	5	1	1	4
Somerville, Mass. Springfield, Mass.	6 60	3 41	11	4	2	2	2	Washington, D.C.§ Wilmington, Del.	146 32	81 26	35 5	20 1	7	3	2 1
Waterbury, Conn.	36	28	4	ż	2	-	4	_					10	20	44
Worcester, Mass.	59	43	11	3	1	1	6	E.S. CENTRAL Birmingham, Ala.	734 101	513 80	135 11	51 4	13 2	22 4	5
	2,742	1,807	500	301	71	63	166	Chattanooga, Tenn.	41	31	8	2	-	-	3
Albany, N.Y.	54	42	8	-	2	2	6	Knoxville, Tenn.	103	69	18	13	-	3	8
Allentown, Pa. Buffalo, N.Y.	20 105	13 64	4 24	3 8	6	3	3 9	Louisville, Ky. Memphis, Tenn.§	73 165	50 107	16 34	4 16	4	3 4	3 16
Camden, N.J.	48	24	11	7	3	3	-	Mobile, Ala.	86	59	17	4	3	3	4
Elizabeth, N.J.	22	13	3	5	-	1		Montgomery, Ala.§	53	40	8	2	1	2	3
Erie, Pa.†	37 66	28 43	5 12	2 7	1	1 3	5 1	Nashville, Tenn.	112	77	23	6	3	3	2
Jersey City, N.J.§ N.Y. City, N.Y.	1,504	979	274	194	35	22	68	W.S. CENTRAL	1,566	979	341	151	59	36	80
Newark, N.J.	73	27	14	20	9	3	10	Austin, Tex.§	68 57	47 35	13 15	4 7	2	2	4 8
Paterson, N.J.	36	25	4 62	5 22	1 7	1	- 17	Baton Rouge, La. Corpus Christi, Tex.	38	23	9	2	4		4
Philadelphia, Pa.§ Pittsburgh, Pa.†	299 73	197 51	14	3	1	11 4	3	Dallas, Tex.	174	101	32	21	13	7	4
Reading, Pa.	38	32	4	2	-	-	7	El Paso, Tex.	61	38	16 17	3 6	3 4	1 2	6 5
Rochester, N.Y.	142	112	12	10	2	6	18 1	Fort Worth, Tex Houston, Tex.§	85 734	56 436	169	89	24	16	18
Schenectady, N.Y. Scranton, Pa.†	25 36	15 26	8 6	2	2	-	2	Little Rock, Ark.	43	28	9	4	-	2	1
Syracuse, N.Y.	99	66	23	6	ī	3	9	New Orleans, La.	32	20	7 34	3 5	2 5	4	17
Trenton, N.J.	17	12	4	1	-	-	3	San Antonio, Tex. Shreveport, La.	150 48	102 35	9	3	1	-	'7
Utica, N.Y. Yonkers, N.Y.§	19 29	14 24	5 3	2	-	:	4	Tulsa, Okla.	76	58	11	4	1	2	6
	2,151	1,482	411	135	45	78	91	MOUNTAIN	765	517	136	58	33	21	34
Akron, Ohio	46	28	12	2	1	3	•	Albuquerque, N. Me		60	13 9	7 4	12	2	6 2
Canton, Ohio	_30	26	3	.1			3	Colo. Springs, Colo. Denver, Colo.	43 117	28 74	21	16	3	3	-
Chicago, III.§ Cincinnati, Ohio	564 79	362 55	125 13	45 7	10 1	22 3	16 6	Las Vegas, Nev.	166	113	37	7	7	2	9
Cleveland, Ohio	158	95	41	10	ż	5		Ogden, Utah	11	6	2	.1	1 7	1	-
Columbus, Ohio	223	151	42	14	6	10	13	Phoenix, Ariz. Pueblo, Colo.	162 36	116 27	23 8	10 1	′.	6	2 7
Dayton, Ohio Detroit, Mich.	105 189	79 118	20 36	6 20	7	8	13 4	Salt Lake City, Utah	41	33	3	2	1	2	
Evansville, Ind.	20	15	2	2	í		ī	Tucson, Ariz.	95	60	20	10	2	3	8
Fort Wayne, Ind.	54	40	6	4	1	3	1	PACIFIC	1,761	1,189	305	159	36	59	124
Gary, Ind.	13 66	8 50	5 11	1	•	4	2	Berkeley, Calif.	16	14	1 17	1	•	4	3 2
Grand Rapids, Mich. Indianapolis, Ind.	138	103	23	ż	3	2	3	Fresno, Calif. Glendale, Calif.	85 13	61 12	١/.		:	•	-
Madison, Wis.§	38	30	5	2	1	-	4	Honolulu, Hawaii	100	81	11	5 6	1	2	22
Milwaukee, Wis.	103	82 31	13 7	2	:	6 1	3	Long Beach, Calif.§	85	58	16		2 8	3 4	9 15
Peoria, III. Rockford, III.	42 63	44	10	1	3	5	2	Los Angeles Calif. Oakland, Calif.§	358 71	232 40	62 13	44 9	5	4	3
South Bend, Ind.	51	41	5	3	-	2	3	Pasadena, Calif.	26	19	4	2	1	-	1
Toledo, Ohio	98	71	19	2	4	2	10	Portland, Oreg.	129	92	19	9	3	6	5
Youngstown, Ohio§	71	53	13	3	•	2	4	Sacramento, Calif.	147 179	105 113	27 27	9 18	3 6	3 11	24 13
W.N. CENTRAL Des Moines, Iowa	604 40	437	103	34	12	18	28 3	San Diego, Calif. San Francisco, Calif.		90	37	22	2	2	4
Duluth, Minn.	40 15	27 11	8 2	2 1	1	3	2	San Jose, Calif.	163	109	36	9	1	8	13
Kansas City, Kans.	21	14	5	2	-	-		Seattle, Wash.	136	87	21	16	4	8	2
Kansas City, Mo.	133	94	27	7	2	3	6	Spokane, Wash.§ Tacoma, Wash.	60 40	44 32	10 4	4 2	:	2	5
Lincoln, Nebr. Minneapolis, Minn.	21 108	14 82	5 14	1 7	1 2	3	1 6						325	333	683
Omaha, Nebr.	67	53	10	2	1	1	6	TOTAL	12,140 <sup>††</sup>	0,0/4	2,333	1,000	323	333	003
St. Louis, Mo.	84	63	13	4	1	3	3								
St. Paul, Minn.	61	39	10	5	3	4	1								
Wichita, Kans.	54	40	9	3	1	1	-	ł							

<sup>\*</sup>Mortality data in this table are voluntarily reported from 121 cities in the United States, most of which have populations of 100,000 or more. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included

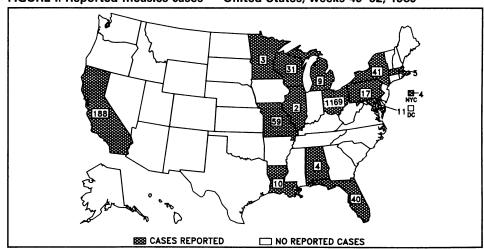
<sup>\*\*</sup>Pneumonia and influenza.

<sup>1</sup>Because of changes in reporting methods in these 3 Pennsylvania cities, these numbers are partial counts for the current week.

Complete counts will be available in 4 to 6 weeks.

<sup>††</sup>Total includes unknown ages. §Data not available. Figures are estimates based on average of past available 4 weeks.

FIGURE I. Reported measles cases - United States, weeks 49-52, 1989



The Morbidity and Mortality Weekly Report is prepared by the Centers for Disease Control, Atlanta, Georgia, and available on a paid subscription basis from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, (202) 783-3238.

The data in this report are provisional, based on weekly reports to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday. The editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials. Such reports and any other matters pertaining to editorial or other textual considerations should be addressed to: Editor, Morbidity and Mortality Weekly Report, Centers for Disease Control, Atlanta, Georgia 30333; telephone (404) 332-4555.

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DEPARTMENT OF
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